

20010927.ba v03_n226.bam.20010927

>From ???@??? Thu Sep 27 07:37:58 2001 -0500
Message-Id: <200109271237.f8RCbaTm012395@sco.theporch.com>
Date: Thu, 27 Sep 2001 07:36:42 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3226

BOATANCHORS Digest 3226

Topics covered in this issue include:

- 1) Cyclone 400
by Roy Nollkamper <k7jaq@yahoo.com>
- 2) RE: Microhponics vs Inter-Electrode Shorts
by Morris Odell <Morris0@vifp.monash.edu.au>
- 3) Re: Microhponics vs Inter-Electrode Shorts
by Henry van Cleef <vancleef@eskimo.com>
- 4) Re: Microhponics vs Inter-Electrode Shorts
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 5) Re: 2J51
by "David Prince" <davprin@optusnet.com.au>
- 6) Re: Enigma on Nova
by "Richard Brisson" <hagelin@magi.com>
- 7) Re: 2J51
by "David Prince" <davprin@optusnet.com.au>
- 8) RCA Victor Model 3-BX-671
by "Otano, Hernan" <H0tano@vredenburg.com>
- 9) wanted grc- 27 trc 32, r 278, and the transmitter and modulator to go with!
by "ed sharpe" <esharpe@uswest.net>
- 10) WTD: Manual for R-366
by John Poulton <jp@cs.unc.edu>
- 11) Re: BOATANCHORS digest 3225
by Roy Morgan <roy.morgan@nist.gov>
- 12) Re: BOATANCHORS digest 3225
by Roy Morgan <roy.morgan@nist.gov>
- 13) USM-223 meter
by ejones@hiwaay.net
- 14) Magnetron 2J51 Info FOUND
by Merz Donald S <merz.ds@mellon.com>
- 15) Re: Magnetron 2J51 Info FOUND
by "ed sharpe" <esharpe@uswest.net>
- 16) Re HQ-120
by "philip" <dgnova@erols.com>
- 17) Re: Enigma on Nova
by "Arthur I. Larky" <ail0@lehigh.edu>
- 18) Re: Microhponics vs Inter-Electrode Shorts

by Arden Allen <gumbear@pacbell.net>
19) 1V6
by William Donzelli <aw288@osfn.org>
20) Dynamic tube tester
by Raymond Cote <rjcote@hawaii.rr.com>
21) Re: Dynamic tube tester
by Avery Comarow <acomarow@usnews.com>

Message-ID: <20010926041953.6387.qmail@web11505.mail.yahoo.com>
Date: Tue, 25 Sep 2001 21:19:53 -0700 (PDT)
From: Roy Nollkamper <k7jaq@yahoo.com>
Subject: Cyclone 400
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi again: Thanks to all who responded to my query on the Halli. Cyclone. It looks like I have found a source of the 7059's and have will be setting up a QSO or two with owners of Cyclones.

As always, the group has come through with flying colors. Thanks for your help.

Have a great evening.
73 for now, Roy

Do You Yahoo!?
Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger.
<http://im.yahoo.com>

Message-ID:
<07A064EA6042D4118A62009027F70E77051AB2@nt_exchange.vifp.monash.edu.au>
From: Morris Odell <MorrisO@vifp.monash.edu.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Microhponics vs Inter-Electrode Shorts
Date: Wed, 26 Sep 2001 15:36:14 +1100
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Jerry asked:

> 2) Does anyone know if the 6177 (6CL6) tube had a propensity

> to easily
> develop inter electrode shorts or microphonics?

I've never seen this problem in any of the 530-550 series Tek scopes I've used. They were used in several positions in those machines including vertical amps and would have experienced some vibration from the fan motor.

73 de Morris VK3DOC

From: Henry van Cleef <vancleef@eskimo.com>
Message-Id: <200109260532.WAA16788@eskimo.com>
Subject: Re: Microhponics vs Inter-Electrode Shorts
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 25 Sep 2001 23:32:45 -0600 (MDT)
Cc: boatanchors@theporch.com (Old Tube Radios)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The esteemed Morris Odell has said:

>
>
> Jerry asked:
>
> > 2) Does anyone know if the 6177 (6CL6) tube had a propensity
> > to easily
> > develop inter electrode shorts or microphonics?
>
> I've never seen this problem in any of the 530-550 series Tek scopes I've
> used. They were used in several positions in those machines including
> vertical amps and would have experienced some vibration from the fan motor.
>
> 73 de Morris VK3DOC
>
I'll confirm that with my Tek scope experience. I may have changed one with an open heater. Much more trouble with 6DJ8's and 6U8's.

--
Hank van Cleef
1986 420SEL

Message-Id: <3.0.5.32.20010926074356.007ec290@pop.ctv.es>
Date: Wed, 26 Sep 2001 07:43:56 +0200
To: Old Tube Radios <boatanchors@theporch.com>
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>

Subject: Re: Microhponics vs Inter-Electrode Shorts
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello!

Hank van Cleef wrote:

>I'll confirm that with my Tek scope experience. I may have changed
>one with an open heater. Much more trouble with 6DJ8's and 6U8's.

I can also confirm that only bad tube in my Tektronix 545B so far has been
a highly microphonic 6DJ8... and it seems most tubes were original, about
33 years old.

Regards,

JOSE

73 EB5AGV / EC5AAU - JOSE V. GAVILA
La Canyada - Valencia (SPAIN)

EB5AGV Vintage Radio Site: <http://www.geocities.com/eb5agv>

European Boatanchors List: http://groups.yahoo.com/group/euro_ba_swap

Message-ID: <00f701c14677\$4e855ce0\$24688ec6@davprin>
From: "David Prince" <davprin@optusnet.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 2J51
Date: Wed, 26 Sep 2001 20:37:54 +1000
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_00F4_01C146CB.1EA7BFA0"

This is a multi-part message in MIME format.

-----=_NextPart_000_00F4_01C146CB.1EA7BFA0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Don't have any data on it or them but my reference mentions equivalents =
as CV3560 / JPT9-60 / 1424MQ

Cheers
Dave Prince

Queensland
Australia

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.281 / Virus Database: 149 - Release Date: 9/18/01

-----=_NextPart_000_00F4_01C146CB.1EA7BFA0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_00F4_01C146CB.1EA7BFA0--

Message-ID: <006001c14678\$617a2820\$6401a8c0@Richard>
From: "Richard Brisson" <hagelin@magi.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Enigma on Nova
Date: Wed, 26 Sep 2001 06:45:33 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Good morning,

I will have additional comments on the security of the Enigma later today -
one must not
forget the contributions of the Polish mathematicians who really made major
contributions
during the 1930's and greatly improved the allies' posture by giving them
everything they
knew before the war broke out. This show on PBS is in fact an abbreviated
version of
what originally appeared in the UK as "Station X" (five hours down to two).
I have seen

the complete version. The one aspect which should appeal to a number of list members is the advent of the first computer which was Colossus with a huge number of valves (1500 ? - I was given two valves as samples from when I visited Bletchley Park in 1999). I would appreciate comments from those who could speculate as to the intricacies of this impressive "boatanchor"!

However, just a quick note that the National Cryptologic Museum at Fort Meade will be closed indefinitely - in talking with the curator Jack Ingram, don't expect it to re-open until spring/summer 2002 - more regrettable effects from September 11th!

As well, the author of the "The Code Book", Simon Singh, is visiting our organization tomorrow and will give a talk on Enigma and cryptology in general. I will report back on that.

Regards to all,

Richard.

----- Original Message -----

From: "Spencer Petri" <wa5jci@flash.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Tuesday, September 25, 2001 12:22 AM
Subject: Enigma on Nova

> Greetings,

>

> Anybody else see the Nova show on PBS? It seems to me it would have been
> pretty easy for the Germans to make it impossible to decode the enigma
> machine. Fill the airways with bogus messages with random letters, say a
> ratio of 25 to 1, bogus messages to good messages, or even more bogus
> messages.

>

> How could the codebreakers ever get a toehold decoding a system like that?

>

> But then, they thought it was unbreakable.

>

> es 73 de Pete WA5JCI

>

> 6 Mtr VUCC#361/694--2 Mtr VUCC#346/190

> 6 Mtr WAS#490--6 Mtr DXCC/97 Confirmed
> Charter Life Member CSVHFS #28
> 6 Mtr WAC-CW
>

Message-ID: <010101c14678\$92ba7e80\$24688ec6@davprin>
From: "David Prince" <davprin@optusnet.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 2J51
Date: Wed, 26 Sep 2001 20:46:59 +1000
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_00FE_01C146CC.634937A0"

This is a multi-part message in MIME format.

-----=_NextPart_000_00FE_01C146CC.634937A0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Also referenced as a 725A
----- Original Message -----=20
From: David Prince=20
To: boatanchors@theporch.com ; merz.ds@mellon.com=20
Sent: Wednesday, September 26, 2001 8:37 PM
Subject: Re: 2J51

Don't have any data on it or them but my reference mentions =
equivalents as CV3560 / JPT9-60 / 1424MQ

Cheers
Dave Prince
Queensland
Australia

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.281 / Virus Database: 149 - Release Date: 9/18/01

-----=_NextPart_000_00FE_01C146CC.634937A0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

-----=_NextPart_000_00FE_01C146CC.634937A0--

Message-ID: <EEB139C89495D511BBA2006008C7F3E00A816D@RESTONPO>
From: "Otano, Hernan" <H0tano@vredenburg.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: hotano@erols.com
Subject: RCA Victor Model 3-BX-671
Date: Wed, 26 Sep 2001 07:12:00 -0400
MIME-Version: 1.0
Content-Type: text/plain

Dear friends

I have an RCA Victor "portable" tube radio Model 3-BX-671. It is a battery or DC/AC (115V) operated and with coverage from 550 to 18.5 (marked in Kilocycles and Megacycles of the era) in seven bands.

If any one of you have a manual I would like to purchase a copy. I plan to fully restore it electrically and cosmetically during the winter.

It is complete, unmodified and with a very good leather cabinet. This will be not for sale but a present to one of my sons.

Direct the responses to me directly to hotano@vredenburg.com or to hotano@erols.com to save bandwidth.

Thanks in advance
Hernan

Date: Wed, 26 Sep 2001 06:23:41 -0700
Message-ID: <001701c1468e\$7667d0a0\$0101a8c0@edsharpe>
From: "ed sharpe" <esharpe@uswest.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: wanted grc- 27 trc 32, r 278, and the transmitter and modulator to go with!
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

wanted grc- 27 trc 32, r 278, and the transmitter and modulator to go with!

thanks ed sharpe archivist for smecc

Date: Wed, 26 Sep 2001 09:18:31 -0400 (EDT)
From: John Poulton <jp@cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTD: Manual for R-366
Message-ID: <Pine.GSO.4.10.10109260913430.21408-100000@capefear.cs.unc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Looking for a manual for the R-366, a general-coverage HF receiver made by Espey, and thought by some of us to be an "entertainment" radio. It's a heavy, green thingy with large semi-circular dial, coil turret band changing. Mine is serial #666... ooooh.

Two other anchorites (Marty and John B) each have one of these; if one of you can supply me with a manual, or provide a lead to one, I'll make copies for them, too. Any other info about this rx would be most welcome.

Best 73,
John KF40ZY

Message-Id: <5.0.0.25.2.20010926093812.026879e0@sdct-sunsv1.ncsl.nist.gov>
Date: Wed, 26 Sep 2001 09:41:02 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: Re: BOATANCHORS digest 3225
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:12 PM 9/25/01 -0500, you wrote:

>I have recently acquired a nice little military multimeter (AN/USM-223) that
>appears to work but needs batteries.

The batteries are used ONLY on the OHMS function. They run a two-FET amplifier. The meter is NOT an FET input meter on voltage ranges.

BA1312 There are two sections about the size of a AA battery. The only
>confusing thing is the nomenclature would have you believe three batteries
>stack in series in each compartment.

They are three volt mercury batteries, not produced any more. Make do with a lashup of AAA cells installed inside the meter case.

>BA-42 or BA-2042 looks about the size of a "C" battery.

Yes that is a C Cell I am pretty sure. It runs the Ohms current source.. the other two batteries run the ohms circuit amplifier.. you need all three to measure resistance.

- Roy Morgan, K1LK Y since 1959
7130 Panorama Drive, Derwood MD 20855
Home: 301-330-8828 Work: Voice: 301-975-3254, Fax: 301-948-6213
roy.morgan@nist.gov --

Message-Id: <5.0.0.25.2.20010926094123.02683070@sdct-sunsrv1.ncsl.nist.gov>
Date: Wed, 26 Sep 2001 09:41:57 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: Re: BOATANCHORS digest 3225
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:12 PM 9/25/01 -0500, you wrote:

>I found a manual for the PRM-10 grid dip oscillator if anyone needs it. \$5
>mailed to you.

Ron,

I would much appreciate having it. My PRM-10 would be most happy.

Roy

- Roy Morgan, K1LK Y since 1959
7130 Panorama Drive, Derwood MD 20855
Home: 301-330-8828 Work: Voice: 301-975-3254, Fax: 301-948-6213
roy.morgan@nist.gov --

Date: Wed, 26 Sep 2001 09:46:06 -0500 (CDT)
Message-Id: <v03007801b7d74f71b186@[216.180.66.101]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: ejones@hiwaay.net
Subject: USM-223 meter

de N4TGC Eric

I acquired one of these about 15 years ago, off the curb - they are VERY prone to popping the FET (that's what was wrong with it when I got it, and I've done it once since then myself), and it's a P-channel, so order a replacement now, before you need it. It wasn't expensive, just not a stock item for an NTE/ECG dealer.

When I criticised it, Dennis Starks defended it as one of the few FET meters that will work in an RF field. I wouldn't know . . . other than the C cell, I screwed a four-cell AA holder to the outside back, and re-calibrated the innards to match - I think the original volts was 3.6 - also, I got a tiny, dual 5v xfrmr from Fair Radio, and wired up a plug-in-the-wall dual zener p/s that works well also.

It's not a bad little meter, but I can't say I use it much, as the type of work I do calls more for shirt-pocket jobs. Maybe if I had bigger pockets . . . but all that stuff I have hanging off the back would tend to snag . . .
e

Message-ID: <20010926164208.10791.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Magnetron 2J51 Info FOUND
Date: Wed, 26 Sep 2001 12:42:04 -0400
MIME-Version: 1.0
Content-Type: text/plain

Thanks to everyone for all the good leads I received on information about my magnetron. KF4FHS referred me to a tube database in the UK that is most enlightening. This guy has apparently taken the entire Phillips tube manual and scanned it to PDFs by tube type. What a wonderful project. Check it out at the link below.

73, Don Merz, N3RHT

> -----Original Message-----
> From: Bernie [SMTP:kf4fhs@hotmail.com]
> Sent: Thursday, September 20, 2001 2:10 PM

> To: Merz Donald S
> Subject: Re: Magnetron 2J51 Info Wanted
>
> Hello Don,
>
> Try this link:
>
> <http://www.duncanamps.co.uk/cgi-bin/tdsl3.exe/searchform>
>
> I was just there and they have links to info on it.
>
> Hope this helps & 73,
> Bernie / KF4FHS
>
>
> ----- Original Message -----
> From: "Merz Donald S" <merz.ds@mellon.com>
> To: "'baswaplist'" <baswaplist@foothill.net>; "'Old Tube Radios'"
> <boatanchors@theporch.com>
> Sent: Thursday, September 20, 2001 7:13 AM
> Subject: Magnetron 2J51 Info Wanted
>
>
> > I picked up a Magnetron to add to my display tubes. But I'd like to know
> > more about it. It's a Raytheon JAN CRP 2J51. I see it listed in Sibley's
> > book but he doesn't give much info. Does anyone have a Raytheon spec
> > sheet
> > or other info on this beast? Anyone know what it was used in?
> >
> > Don't you agree that Magnetrons are the coolest looking tube ever made?
> >
> > 73, Don Merz, N3RHT
>

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and is intended solely for the use of the named addressee. Access, copying
or re-use of the e-mail or any information contained therein by any other
person is not authorized. If you are not the intended recipient please
notify us immediately by returning the e-mail to the originator.

Date: Wed, 26 Sep 2001 13:33:41 -0700
Message-ID: <004c01c146ca\$8822ba80\$02000000a@frontdesk1>
From: "ed sharpe" <esharpe@uswest.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Magnetron 2J51 Info FOUND
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great resource Don, will start adding a resource link page to the museum's website....
thanks for sharing!

ed sharpe archivist for smecc
----- Original Message -----
From: "Merz Donald S" <merz.ds@mellon.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Wednesday, September 26, 2001 9:42 AM
Subject: Magnetron 2J51 Info FOUND

> Thanks to everyone for all the good leads I received on information about my
> magnetron. KF4FHS referred me to a tube database in the UK that is most
> enlightening. This guy has apparently taken the entire Phillips tube
manual
> and scanned it to PDFs by tube type. What a wonderful project. Check it
out
> at the link below.
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>

> > -----Original Message-----
> > From: Bernie [SMTP:kf4fhs@hotmail.com]
> > Sent: Thursday, September 20, 2001 2:10 PM
> > To: Merz Donald S
> > Subject: Re: Magnetron 2J51 Info Wanted
> >
> > Hello Don,
> >
> > Try this link:
> >
> > <http://www.duncanamps.co.uk/cgi-bin/tdsl3.exe/searchform>
> >

> > I was just there and they have links to info on it.
> >

> > Hope this helps & 73,
> > Bernie / KF4FHS
> >
> >

> > ----- Original Message -----
> > From: "Merz Donald S" <merz.ds@mellon.com>
> > To: "'baswaplist'" <baswaplist@foothill.net>; "'Old Tube Radios'"
> > <boatanchors@theporch.com>
> > Sent: Thursday, September 20, 2001 7:13 AM

> > Subject: Magnetron 2J51 Info Wanted
> >
> >
> > > I picked up a Magnetron to add to my display tubes. But I'd like to know
> > > more about it. It's a Raytheon JAN CRP 2J51. I see it listed in Sibley's
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> > sheet
> > > or other info on this beast? Anyone know what it was used in?
> > >
> > > Don't you agree that Magnetrons are the coolest looking tube ever made?
> > >
> > > 73, Don Merz, N3RHT
> >
> *****
> DISCLAIMER: The information contained in this e-mail may be confidential
> and is intended solely for the use of the named addressee. Access, copying
> or re-use of the e-mail or any information contained therein by any other
> person is not authorized. If you are not the intended recipient please
> notify us immediately by returning the e-mail to the originator.
>
>

Message-ID: <002c01c146ce\$9337cec0\$76082c42@default>
From: "philip" <dgnova@erols.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re HQ-120
Date: Wed, 26 Sep 2001 17:02:32 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone know the frequency ranges of the HQ-120 bands. I am working on an RCA AR-77. The front end appears to be a copy of the HQ-120. The bands are:

31mcs to 18mcs
18mcs to 10.2mcs
10.2mcs to 5.8 mcs
5.8mcs to 3.3mcs
3.3mcs to 1.34mcs
1.34mcs to 0.54mcs

Philip McCoy dgnova @erols.com

Message-ID: <3BB24B0C.81A501E5@lehigh.edu>
Date: Wed, 26 Sep 2001 17:39:24 -0400
From: "Arthur I. Larky" <ail0@lehigh.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Enigma on Nova
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Philip,

Singh, Simon; "The Code Book", ISBN 0-385-49532-3
Known to be available at Barnes & Noble and Borders.
Art K3HBA

philip wrote:

> Do you know the name of "The Code Book",s author ? Sounds
> like a very interesting book.
>

Date: Wed, 26 Sep 2001 18:57:25 -0700
From: Arden Allen <gumbear@pacbell.net>
Subject: Re: Microhponics vs Inter-Electrode Shorts
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0GKA00IOQTEDYU@mta7.pltn13.pbi.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Hi Jerry;

>
> 1) If tapping a tube precipitates an inter-electode short, is the tube
> considered to be microphonic by definition? In otherwords, does the
> definition include tube elements that move to the point whey cause a
> short.

By definition, a microphonic tube operates normally but is capable of having its electron stream modulated by the movement of loose or flexible elements. In my experience microphonism varies significantly among tubes that appear to be of the same manufacture. The lack of precision in manufacturing precesses is probably the cause as much as is design.

A short between elements can be caused by damaged elements or damaged mica spacers, by debris from the manufacturing process that becomes lodged between elements, or by conductive paths being established across insulators.

Tapping a tube may *cause* both types of problems, as well as revealing them.

> 2) Does anyone know if the 6177 (6CL6) tube had a propensity to easily
> develop inter electrode shorts or microphonics? At this time, I'm
> reading a submission from a crypto technician who said the most effective
> method to find defective 6CL6's in one machine type was to tap tubes
> until the alarm was tripped.

Tube tapping, like rolling your own smokes (boy, it that dated!), is a fine art and should be practiced with care. A tube properly tapped reveals a joyous sound. A savagely attacked tube will reply with cries of agony before it goes into its death throes. Have you hugged your tubes today?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

A forest is... "a peculiar organism of unlimited kindness and benevolence that makes no demands for its sustenance and extends generously the products of its life activity; it affords protection to all beings, offering shade even to the axeman who destroys it." _Buddha

Date: Wed, 26 Sep 2001 23:10:01 -0400 (EDT)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 1V6
Message-ID: <Pine.SUN.3.91-FP.1010926230858.7611D-1000000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Who need a 1V6? I have one NIB.

William Donzelli
aw288@osfn.org

Message-ID: <3BB2E101.A4E94534@hawaii.rr.com>
Date: Wed, 26 Sep 2001 22:19:13 -1000
From: Raymond Cote <rjccote@hawaii.rr.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Dynamic tube tester
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang, I have come across an almost new Hickock Model 1700 tube tester. ITS BIG! Does anyone have a manual on how to use this beast? It has more knobs and allows every voltage, current to be adjusted, and allows the ability to adjust to any tube in it's current filament range. It has sockets for the small in-line tubes, the sub-miniature 6 pin and 8-pin(wires), nuvistors, loctal, octal, 7 & 9 pin minatures, and the large 7, 6, 5 and 4 pin tubes. You can see a picture by clicking on the following links.

Let me know if you know of a source for a book.

Ray

<http://sites.netscape.net/cotetubes/homepage/dynamic-tester-full.jpg>

<http://sites.netscape.net/cotetubes/homepage/dynamic-tester-better.jpg>

<http://sites.netscape.net/cotetubes/homepage/dynamic-tester-lower.jpg>

<http://sites.netscape.net/cotetubes/homepage/dynamic-tester-top.jpg>

<http://sites.netscape.net/cotetubes/homepage/dynamic-tester-meter.jpg>

Message-Id: <4.2.2.20010927083121.00ab1260@ntpop.usnews.com>

Date: Thu, 27 Sep 2001 08:36:18 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Avery Comarow <acomarow@usnews.com>

Subject: Re: Dynamic tube tester

Cc: boatanchors@theporch.com

Mime-Version: 1.0

Content-Type: multipart/alternative;

boundary="===== _55751967==_.ALT"

--===== _55751967==_.ALT

Content-Type: text/plain; charset="us-ascii"; format=flowed

Ray, the guy who might be able to help you is Alan Douglas (adouglas@gis.net), who recently published a book on vintage test equipment, focusing largely on tube testers. He is especially knowledgeable about Hickoks. And a very nice guy.

73, Avery W3AVE in Potomac, Md.

At 10:19 PM 9/26/01 -1000, you wrote:

>Gang, I have come across an almost new Hickock Model 1700 tube tester.

>ITS BIG! Does anyone have a manual on how to use this beast? It has
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Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

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* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
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End of BOATANCHORS Digest 3226
